

Title (en)

OUTPUT MATCHING NETWORK HAVING A SINGLE COMBINED SERIES AND SHUNT CAPACITOR COMPONENT

Title (de)

AUSGANGSANPASSUNGSNETZWERK MIT EINER EINZIGEN KOMBINIERTEN REIHEN- UND SHUNKONDENSATORKOMPONENTE

Title (fr)

RÉSEAU D'ADAPTATION DE SORTIE AYANT UN SEUL COMPOSANT CONDENSATEUR COMBINÉ EN SÉRIE ET SHUNT

Publication

**EP 3213411 B1 20190717 (EN)**

Application

**EP 15771449 A 20150918**

Priority

- US 201414529996 A 20141031
- US 2015050892 W 20150918

Abstract (en)

[origin: US2016126920A1] A matching network requiring a predetermined shunt capacitance in a transformation of the impedance at the output to a transistor to a load. The matching network includes a vertically stacked shunt capacitor, for providing the entire predetermined capacitance, and a series DC blocking capacitor.

IPC 8 full level

**H03F 1/56** (2006.01); **H01L 23/66** (2006.01); **H03F 3/195** (2006.01); **H03F 3/24** (2006.01)

CPC (source: CN EP KR US)

**H01L 23/66** (2013.01 - EP KR US); **H03F 1/56** (2013.01 - CN EP KR US); **H03F 3/195** (2013.01 - CN EP KR US); **H03F 3/245** (2013.01 - CN EP US); **H03H 7/383** (2013.01 - KR US); **H01L 2223/6655** (2013.01 - EP KR US); **H01L 2223/6661** (2013.01 - EP KR US); **H01L 2224/48265** (2013.01 - EP KR US); **H01L 2924/0002** (2013.01 - CN); **H01L 2924/1306** (2013.01 - EP KR US); **H01L 2924/14** (2013.01 - EP KR US); **H01L 2924/1421** (2013.01 - EP US); **H01L 2924/19041** (2013.01 - EP KR US); **H01L 2924/19104** (2013.01 - EP US); **H03F 2200/387** (2013.01 - CN EP KR US)

Citation (examination)

- US 6191666 B1 20010220 - SHEEN JYH-WEN [TW]
- US 2002158704 A1 20021031 - YE SHEN [US]
- US 6330165 B1 20011211 - KOHJIRO IWAMICHI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2016126920 A1 20160505**; **US 9419580 B2 20160816**; CN 107005204 A 20170801; CN 107005204 B 20200616; EP 3213411 A1 20170906; EP 3213411 B1 20190717; JP 2017533662 A 20171109; JP 6526192 B2 20190605; KR 101913525 B1 20181228; KR 20170072297 A 20170626; TW 201630342 A 20160816; TW I569576 B 20170201; WO 2016069134 A1 20160506

DOCDB simple family (application)

**US 201414529996 A 20141031**; CN 201580065229 A 20150918; EP 15771449 A 20150918; JP 2017523377 A 20150918; KR 20177013715 A 20150918; TW 104132409 A 20151001; US 2015050892 W 20150918